Form PTO-1449 (REV 8-83)

U.S. Department of Commerce Patent and Trademark Office

Atty. Docket No. 2000200-0003

Serial No.

09/662,195

Information Disclosure Statement

(Use several sheets if necessary)

Filing Date September 14, 2000

Applicant:

Johnson.

Group



ISSUED U.S. PATENTS						
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
4	4,146,499	3/27/79	Rosano, et al.	252	186	·
	4,753,788	6/28/88	Gamble, et al.	424	1.1	
	5,288,502	2/22/94	McGinty, et al.	424	484	
	5,340,568	8/23/94	Piazza, et al.	424	59	
	5,342,625	8/30/94	Hauer, et al.	424	455	
	5,362,418	11/8/94	Yamasaki et al.	252	314	
	5,362,745	11/8/94	Graziella, et al.	514	415	
	5,444,041	8/22/95	Owen, et al.	514	2	
	5,633,226	5/27/97	Owen, et al.	514	2	
	5,866,159	2/2/99	Hauer, et al.	424	450	, A
	5,929,030	7/27/99	Hamied, et al.	514	9	
	5,962,014	10/5/99	Hauer, et al	424	450	
	5,980,939	11/9/99	Kim, et al.	424	455	
	5,993,852	11/30/99	Foldvari et al.	424	450	
	6,007,840	12/28/99	Hauer, et al.	424	450	

FOREIGN PATENT DOCUMENTS

Examiner	Document Date Number	Date	Country	Translation	
Initial			Yes	No	
X	EP 0 171 084 B1	8/8/85	European		X
	EP 0 355 604 B1	10/8/89	European		X
	EP 0 387 647 A2	3/3/90	European		X
	EP 0 387 647 A3	3/3/90	European		X
W	EP 0 406 162 B1	6/15/90	European		X
XX	EP 0 516 508 B1	5/20/92	European		X

Form PTO-1449 U.S. Department of Commerce (REV 8-83) Patent and Trademark Office Information Disclosure Statement			Atty. Docket No. 2000200-0003	Serial No. OIPE		
			Applicant: Johnson. OCT 1 6 2000			
(Use several sheets if n	ecessary)	Filing Date September 14, 2000	Group	K OSEA	
\	JP 5-312566					
	JP 9-110635					
	WO 94/19001	9/1/94	PCT		X	
	WO 95/08983	4/6/95	PCT		X	
	WO 95/31957	11/30/95	PCT		х	
	WO 98/11889	3/26/98	PCT		X	
	WO 99/16424	4/8/99	PCT		X	
11	WO 99/45946	9/16/99	PCT		X	
1	WO 99/49848	10/7/99	PCT		X	
	OTHER DOCU	MENTS (including	Author, Title, Date, Pe	rtinent Pages, Etc.)		
W)		-	ous Nuclear Pore Compl y", <i>The Journal of Cell I</i>	ex Revealed by Three-Biology, 122 (1):1-19, July	1993.	
* 2	·	Baker, et al, "The Water Structure in 2Zn Insulin Crystals", Crystalography in Molecular Biology, 179-92, 1985.				
43	Chiu, et al., "Time-correlation analysis of simulated water motion in flexible and rigid gramicidin channels", <i>Biophys. J.</i> , 60 : 273-285, July 1991.					
4		Chiu, et al., "Water and polypeptide conformations in the gramicidin channel", <i>Biophys. J</i> , 56 :253-61, August 1989.				
5	Davis, "The Nuclea	Davis, "The Nuclear Pore Complex", Annu. Rev. Biochem., 64:865—96, 1995.				
(4	Donovan, et al., "Prevention of murine influenza A virus pneumonitis by surfactant nano- emulsions", <i>Antiviral Chemistry & Chemotherapy</i> , 11: 41-49.					
1	Engels, et al., "Structure and Dynamics of Self-Assembling Peptide Nanotubes and the Channel-Mediated Water Organization and Self Diffusion" <i>J. Am. Chem. Soc.</i> 117 :9151-58, 1995.					
7	Forbes, "Structure and Function of the Nuclear Pore Complex", <i>Annu. Rev. Cell Biology</i> , 8 :495-527, 1992.					
9	Goldberg, et al., "High Resolution Scanning Electron Microscopy of the Nuclear Envelope: Demonstration of a New, Regular, Fibrous Lattice Attached to the Baskets of the Nucleoplasmic Face of the Nuclear Pores", <i>The Journal of Cell Biology</i> , 119 (6):1429-1440, December 1992.					
ATR		Goldberg, et al., "Structural and functional organization of the nuclear envelope", <i>Current Opinion in Cell Biology</i> , 7:301-09, 1995.				

Raymerl, et al, "Predicting Conserved Water-Mediated Interactions in Protein Active Sites", ACA, 1995. Stamer, et al., "Localization of Aquaporin CHIP in the Human Eye: Implications in the Pathogenesis of Glaucoma and Other Disorders of Ocular Fluid Balance", Investigative Ophthalmology & Visual Science, 35(11), 3867-72, October 1994. Stewart, et al., "Nuclear pores and macromolecular assembles involved in nucleocytoplasmic transport", Current Opinion in Structural Biology, 6:162-65, 1996. Tonghui, et al., "Gene Structure, cDNA Cloning, and Expression of a Mouse Mercurial-Insensitive Water Channel", Genomics, 33: 382-88, 1996. Trenktrog, et al., "In vitro-Investigation into the Enhancement of Intestinal Peptide Absorption by Emulsion Systems", Eur. J. Pharm. Biopharm, 41(5): 284-90, 1995 Verkman, et al., "Structure and function of kidney water channels", Kidney International, 48: 1069-81, 1995. Walz et al., "Biologically Active Two-dimensional Crystals of Aquaporin CHIP", The Journal of Biological Chemistry, 269(3)1583-86, 1994. Walz, et al., "Analysis of the aquaporin-1 Structure by electron crystallography, infrared spectroscopy, and atomic force microscopy", Membrane Transport, A367, W-AM-E6. Walz, et al., "The three-dimensional structure of human erythrocyte aquaporin CHIP", The EMBO Journal, 13(13):2985-93, 1994. Date Considered Examiner EXAMINER Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next

communication to applicant.

	•					
Form PTO- (REV 8-83)	•	Atty. Docket No. 2000200-0003	Serial No. OIP E			
Information Disclosure Statement (Use several sheets if necessary)		Applicant: Johnson.	· OCI 1 6 2000 H			
		Filing Date September 14, 2000	Group TRADEMARK			
A I I	Goldberg, et al., "The Nuclear Pore Complex and Lamina: Three-dimensional Structures and Interactions Determined by Field Emission In-lens Scanning Electron Microscopy", <i>J. Mol. Biol.</i> , 257 :848-65, 1996.					
12	Goldberg, et al., "The nuclear pore complex: three-dimensional surface structure revealed by field emission, in-lens scanning electron microscopy, with underlying structure uncovered by proteolysis", <i>Journal of Cell Science</i> , 106 :261-74, 1993.					
3	Harris, et al., "The molecular structure of the antidiuretic hormone elicited water channel", Pediatr Nephrol., 7:680-4, 1993.					
14	Hinshaw, "Architecture of the Nuclear Pore Complex and its Involvement in Nucleocytoplasmic Transport", <i>Biochemical Pharmacology</i> , 47 (1):15-20, 1994.					
15	Huber, et al., "Crystal and Molecular Structure of Human Annexin V after Refinement", Academic Press Limited, 683-704, 1992.					
(6	Jayaraman, "Petrol from plants' claim baffles Indian scientists", <i>Nature</i> , 383 :112, September 12, 1996.					
11*	Jung, et al., "Molecular Structure of the Water Channel through Aquaporin CHIP", <i>The Journal of Biological Chemistry</i> , 269 (20):14648-54, 1994.					
B	Levitte, et al., "Number of Water Molecules Coupled To The Transport Of Sodium, Potassium And Hydrogen Ions Via Gramicidin, Nonactin Or Valinomycin", <i>Biochimica et Biophysica Acta</i> , 512 : 436-51, 1978.					
19	Ming, et al., "Formation of Irreversible Nearly Transparent Physical Polymeric Hydrogels during a Modified Microemulsion Polymerization", <i>Macromolecules</i> , 32 : 528-530, 1999					
jö	Mitra, et al., "Projection Structure of the CHIP28 Water Channel in Lipid Bilayer Membranes at 12-Å Resolution", <i>Biochemistry</i> , 33 (43):12735-40, November 1, 1994.					
8/4	Nielsen, et al., "The aquaporin family of water channels in kidney", <i>Kidney International</i> , 48 1057-68, 1995					
8	Pallone, et al., "Small Solute Induced Osmotic Water Transport Across Outer Medullary Descending Vasa Recta Is Water Channel Mediated", <i>Renal Circulation</i> , 3312-17, A575.					
ď	Pante, "Toward the Molecular Details of the Nuclear Pore Complex", <i>Journal of Structural Biology</i> , 113 :179-89, 1994.					
V Ne	Pante, et al., "Toward a Molecular Understanding of the Structure and Function of the Nuclear Pore Complex", <i>International Review of Cytology</i> , 162B :225-55, 1995.					
****	Preston, et al., "Mutations in aquaporin-1 in Phenotypically Normal Humans Without Functional CHIP Water Channels", <i>Science</i> , 265 :1585-86, September 9, 1994.					